

## ILCE-5100/B

### Sony α5100 Mirrorless Camera

Capture that crucial moment with ultra-fast autofocus, 179 AF points and 6 fps. This lightweight camera delivers 24.3MP of detail even in low light, and you can share photos right to your smartphone through built-in Wi-Fi. Record Full HD Video or flip over the 180° tilt screen for perfectly framed selfies.

#### Key Features

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##### **Ultra-fast and accurate auto focus with 179 AF points and 6Fps**

Snap into focus with ultra-fast 0.07 second AF (Auto Focus) speed and never miss the moment. The α5100 also realizes up to 6fps continuous shooting with AF tracking by making the most of the wide-area 179-point phase-detection AF sensor. Even when dealing with a moving subject the α5100's superb moving-subject tracking performance ensures you get the shot during still or video capture.

##### **Capture life in high resolution with 24MP APS-C sensor**

You get incredible detail and gorgeous enlargements thanks to the newly developed 24.3 megapixel Exmor® APS HD CMOS sensor. It's higher resolution than most DSLRs and adopts the same gapless on-chip lens structure as the α7R for ultimate image quality and light sensitivity

##### **Instant sharing via smartphone with Wi-Fi® and NFC**

Wi-Fi™ connectivity allows you to control your camera with your compatible Smartphone or Tablet. Frame an image on your smartphone's LCD, and simply click the camera's shutter you're your device. You can even transfer the images taken directly to your mobile device for quick editing and uploading - sharing has never been easier. With NFC (near field communication) - connectivity has been simplified to one-touch. Simply touch the camera to the compatible NFC enabled device to connect.

##### **Record Full HD 1080/24/60P video up to 50MB/s**

Make movie magic with Full HD 1920 x 1080 video in cinematic 24p, or capture fast action at incredible 60p and 60i frame-rates.<sup>3</sup> Made even easier with the α5100's 179 point AF (auto focus) system - tracking moving subjects is not a problem. Selectable in-camera - XAVC S for broadcast quality - high 50Mb/s bitrate, Blu-ray quality - AVCHD™ or simple and easier upload to the web - MP4 codecs are available. For serious videographers, uncompressed 8bit 4:2:2 clean-screen video files to external recording devices is possible via the HDMI® connection.

##### **All the quality in half the size & weight of other DSLRs**

The α5100 is a super compact Mirrorless camera that's about half the size and weight of a typical DSLR, yet it has the same size APS-C sensor as most DSLRs. The interchangeable lenses and E-mount system make the α5100 more versatile than almost any other camera on the market.

##### **Stunning low light photos with ISO range of 100-25600**

The α5100 features high sensitivity thanks to the newly developed Exmor® CMOS sensor and BIONZ® X processor. You get stunning detail in low light from ISO range 100 - 25000. And for an additional burst of light, the α5100 features a pop-up flash.

##### **Create easy selfies with flip-up touch-screen LCD**

The α5100's tiltable LCD screen flips up 180° to make shooting self-portraits a snap. Include other people, experiment with interesting angles or shoot against famous landmarks. When you press the shutter, the camera does all the work.

##### **Enhance your camera and creativity with Camera Apps<sup>5</sup>**

Personalize your camera by adding new features of your choice with PlayMemories Camera Apps™. Find apps to fit your shooting style from portraits, detailed close-ups, sports, time lapse, motion shot and much more. Use apps that shoot, share and save photos using Wi-Fi® that make it easy to control and view your camera from smartphone, and post photos directly to Facebook or backup images to the cloud without connecting to a computer.<sup>5</sup>

### Built-in pop-up flash brightens the scene

Perfect when an extra burst of light is needed to get the shot, the built-in Guide Number 6 flash<sup>1</sup> combines with high ISO sensitivity to enable shooting in just about any setting.

### Easy one hand use with convenient power zoom lever

A new zoom lever on the body of the camera allows for effortless one-handed operation and smooth zooming even when shooting self-portraits, bringing compact camera convenience to the realm of interchangeable-lens models. Perfect for use with Sony power zoom lenses like the SELP1650 (16-50mm), SELP18200 (18-200mm) and SELP18105G (18-105mm).

### Better Images through BIONZ® X processing

The new BIONZ® X image processor faithfully reproduces textures and details in real time via extra high-speed processing capabilities delivering true-to-life images - as seen by the naked eye. It enables greater natural detail, richer tonal gradations, lower noise and more realistic images whether you shoot stills or video.

### Easy and intuitive controls help you shoot like a pro

Despite its small size, the α5100 gives you full DSLR control and immediate access to the functions you need to shoot like a pro. Two dials on top and a rear-mounted control wheel allow quick selection of shooting modes and camera settings. In addition to the Fn button, there's seven customizable buttons, which can be assigned any of 474 functions.

## Specifications

Lens Compatibility	Sony E-mount. Sony A-mount via optional LA-EA adapter
Lens Mount	Sony E-mount
Camera Type	Interchangeable lens digital camera with built-in flash
Imaging Sensor	Exmor™ APS-C CMOS sensor (23.5 x 15.6mm)
Anti Dust	Charge protection coating on Optical Filter
Pixel Gross	24.7M pixels (approx.)
Effective Picture Resolution	24.3M pixels (approx.)
Color Filter System	RGB primary color filters
Media Type	SDHC / SDXC (UHS-I compliant) / SD memory card Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick XC-HG Duo
Color Space	Still: sRGB standard (with sYCC gamut), Adobe RGB with TRILUMINOS™ color Movie: xvYCC standard (x.v.Color™ when connected via HDMI cable) Compatible with TRILUMINOS™ color
Still Image Mode	RAW, JPEG (Standard, Fine), RAW+JPEG
Still Image Size 16:9	L: 6000 x 3376 (20MP), M: 4240 x 2400 (10MP), S: 3008 x 1688 (5.1MP)
Still Image Size 3:2	L: 6000 x 4000 (24MP), M: 4240 x 2832 (12MP), S: 3008 x 2000 (6MP)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M) Horizontal Std.: 8,192 x 1,856 (15M) Vertical Wide: 5,536 x 2,160 (12M) Vertical Std.: 3,872 x 2,160 (8.4M)
Video Format	XAVC S / AVCHD format Ver. 2.0 compliant / MP4

Video Resolution	XAVC S : Full HD - 1920 x 1080/60p@50Mbps Full HD - 1920 x 1080/30p@50Mbps Full HD - 1920 x 1080/24p@50Mbps
	AVCHD™:
	PS - 1920 x 1080/60p@28Mbps
	FX - 1920 x 1080/60i@24Mbps
	FH - 1920 x 1080/60i@17Mbps
	FX - 1920 x 1080/24p@24Mbps FH - 1920 x 1080/24p@17Mbps
Audio Format	MP4:
	HD - 1440 x 1080/30p@12Mbps
	VGA - 640 x 480/30p@3Mbps
Dual Record	Yes (Not available when shooting XAVC S or AVCHD 1920x1080/60p)
Microphone/Speaker	Built-in stereo microphone Built-in, monaural speaker
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)

LCD Type	3.0" (7.5cm) wide TFT LCD (921,600 dots)
Angle Adjustment	Up by approx. 180 degrees
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Real-time image adjustment display	Yes (On / Off)
Peaking	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Grid Display	Yes (Rule of Thirds, Grid /Square Grid/Diag. + Square Grid/Off)
Customization	Graphic Display, Display All Info, No Disp.Info, Histogram
Touch Panel	Yes (Electrostatic type)
Zebra	Yes

Focus Points	179 points (phase-detection AF) 25 points (contrast-detection AF)
AF Modes	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C ( Continuous AF), DMF (Direct Manual Focus), Manual Focus
Focus Area	Wide (179 points (phase-detection AF), 25 points(contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Lock-on AF ( Wide / Zone / Center / Flexible Spot (S/M/L))
Focus Sensitivity	EV-1 to EV20 (ISO100 equivalent with F2.0 lens attached)
Focus Features	Lock-on AF, Eye AF, Predictive control, Focus lock, AF illuminator (with Built-in LED type) Approx. range; 0.3- approx. 3.0m (with E PZ 16-50mm F3.5-5.6 OSS lens attached)
AF Illuminator	Yes (with built-in LED type)

Picture Effect(s)	Still image: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Monochrome, H/M/L, HDR Painting (H/M/L), Rich-tone Monochrome, Miniature (Auto, Top, Middle(H), Bottom, Right, Middle(V), Left), Watercolor, Illustration (High, Mid, Low) Movie: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key
Auto Exposure Lock	Yes: with shutter button (can be disabled from menu), custom button set available

Creative Style	Still: Standard, Vivid, Portrait, Landscape, Sunset, Black & White, Sepia (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps)); Movie: Standard, Vivid, Portrait, Landscape, Sunset, B&W, Sepia (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
D-Range Optimizer	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0-6.0 EV, 1.0 EV step))
Exposure Bracketing	Bracket: Cont./Bracket: Single, With 1/3 EV, 1/2 EV, 2/3 EV, 1.0 EV, 2.0 EV, 3.0 EV increments, 3/5 frames (1.0 EV, 2.0 EV, 3.0 EV : only 3 frames) selectable
Exposure Compensation	Still images: +/- 3.0EV (1/3EV steps) Movies: +/- 2.0EV (1/3EV steps)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter priority (S), Manual (M), Sweep Panorama, Scene Selection, Movie
ISO	Still images: ISO 100-25600 (1/3 EV step), AUTO (ISO 100-25600, selectable lower limit and upper limit)  Movies: ISO 100-12800 equivalent (1/3 EV step) / AUTO (ISO 100-12800 equivalent, selectable lower limit and upper limit)
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV-1 to EV20 (at ISO100 equivalent with F2.0 lens attached)
Noise Reduction	Long exposure NR: Available of shutter speeds longer than 1 sec., High ISO NR: Normal / Low
Scene Mode(s)	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Anti Motion Blur
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White, Daylight), Flash, Underwater, Color Temperature (2500 to 9900K) & color filter (G7 to M7: 15-steps, A7 to B7: 15-steps), Custom

Continuous Shooting Speed	Continuous shooting: Hi: max. 6 fps, Lo: max. 3 fps JPEG Fine L: 56 frames, JPEG Standard L: 75 frames, RAW: 23 frames, RAW&JPG: 22 frames
Drive Mode	Single Shot, Continuous shooting (Hi/Lo selectable), Self-timer (10/2 sec delay selectable), Self-timer (Cont. with 10 sec delay; 3/5 frames selectable), Bracket (Cont. / Single/ WB / DRO)
Flash Sync Speed	1/160 sec.
Self-timer	2-sec. or 10-sec. delay
Shutter Speeds	Still images: 1/4000 to 30 sec., Bulb Movies: 1/4000 to 1/4 (in 1/3 step), up to 1/60 in AUTO mode, up to 1/30 in Auto Slow Shutter mode
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter

Flash Bracketing	1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV steps, 3/5 frames (1.0/2.0/3.0 EV : only 3 frames) selectable
Flash Compensation	+/- 2.0EV (1/3EV steps)
Flash Coverage	16mm (focal-length printed on the lens body)
Flash Metering System	Pre-flash TTL
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync, Wireless, Red-eye reduction (On/Off)
Flash Type	Built-in flash
Guide Number	4 (in meters at ISO 100)
Recycling Time	Approx. 3 sec

Self Timer	Yes (3 sec delay/OFF selectable)
Erase/Protect	Yes
Still Image Playback Options	Single (with or without shooting information, Y RGB histogram & highlight/shadow warning) 12/30-frames index view, Enlarged display mode (L: 16.7x, M: 11.8x, S: 8.3x, Panorama (Standard): 19.2x, Panorama (Wide): 29.1x) Image orientation (Manual/Off selectable), Slideshow, Panorama scrolling, Folder selection (Date/ Still/ MP4/ AVCHD/ XAVC S) Forward/Rewind (Movie), Delete, Protect, Auto Review (10/ 5/ 2 sec, Off)

Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Image Stabilization	Not supported (image stabilization supported on lens)
Priority Setting (for Face Detection)	Yes (eight faces max)
Shooting Tips	Yes

HD Output	HDMI micro connector (Type-D) BRAVIA Sync (Control for HDMI) PhotoTV HD 4K Still Image PB
NFC	Yes (NFC forum Type 3 Tag compatible, one touch remote, one touch sharing)
Wi-Fi	Yes(Wi-Fi Compatible, IEEE 802.11b/g/n(2.4GHz band) )

Dimensions (Approx.)	Approx. 4 3/8 x 2 1/2 x 1 7/16" (109.6mm x 62.8mm x 35.7mm) (W/H/D) excluding protrusions
Weight (Approx.)	Approx. 7.9 oz (224 g) (body only) Approx. 10.0 oz (283 g) (With battery and Memory Stick PRO Duo)

Number of Still Images	Still Approx. 400 shots (CIPA standard)
	Movies Actual recording: approx. 75 min (CIPA standard) Continuous recording: approx. 110 min (CIPA standard)
Power Requirements	One rechargeable battery pack (NP-FW50)
External Power	AC Adaptor AC-PW20 (sold separately)
Power Consumption (in View Finder Operation)	Still images: approx. 2.3W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: approx. 4.1W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

Supplied Accessories	Rechargeable Battery (NP-FW50) AC Adaptor (AC-UB10) Lens cap Shoulder strap Micro USB cable
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1. Requires a PlayMemories Mobile™ app installed on compatible Android™ or iOS device.

2. Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of August 25, 2014, based on Sony research. Measured using internal CIPA guideline compliant method with E PZ 16-50mm F3.5-5.6 OSS lens mounted.

3. Records in up to 29 minutes segments.

4. Some functions can only be assigned to certain buttons.

5. Requires an active 802.11 Wi-Fi® network (802.11n recommended) or PlayMemories Mobile™ app installed on compatible Android™ or iOS device. PlayMemories camera apps require download with existing Sony Entertainment Network account. Download available in all countries/areas where Sony Entertainment Network is available